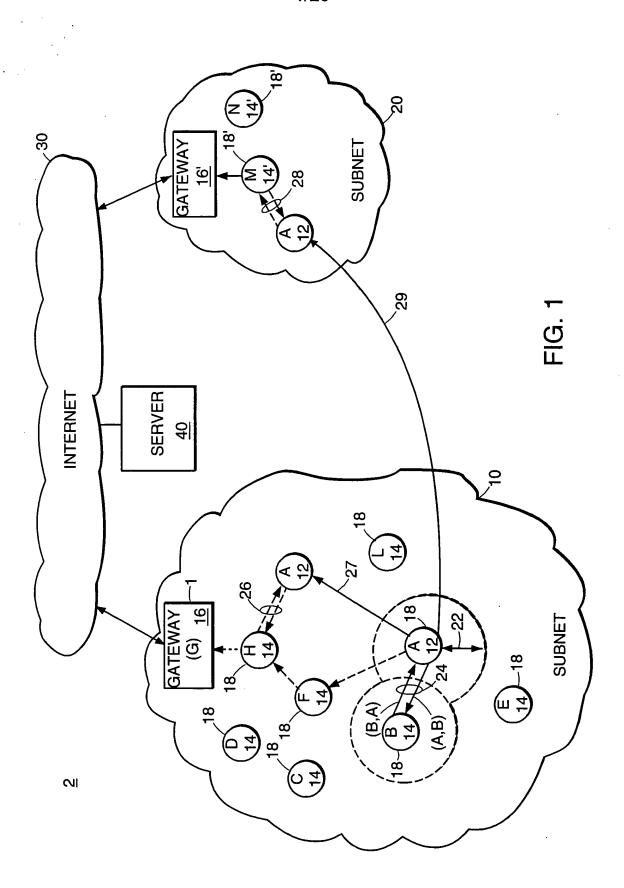
Title: A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A Minus Ad Hoc Network Inventors: Ogier et al.

Serial No. 09/728,020
Atty Docket No. SRI-009B
Atty/Agent: Michael A. Rodriguez



Title: A System And Method For Disseminating Topology And Line Top

Inventors: Ogier et al.
Serial No. 09/728,020
Atty Docket No. SRI-009B
Atty/Agent: Michael A. Rodriguez

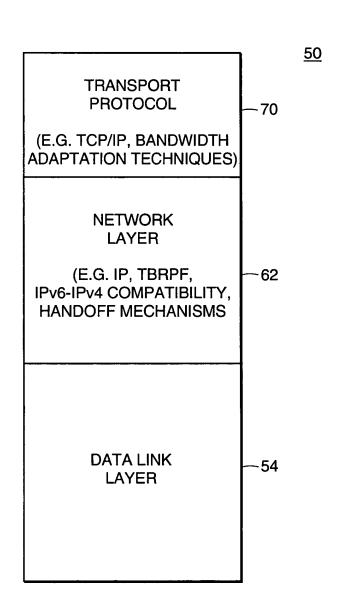
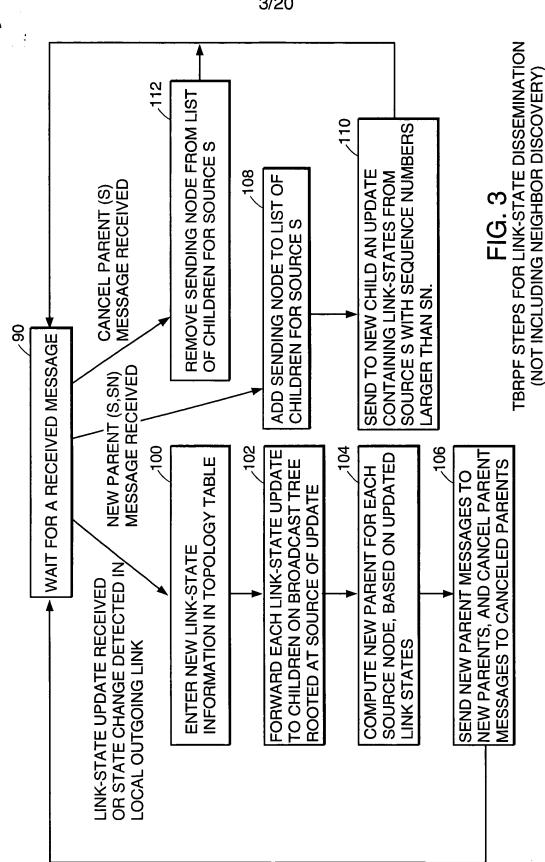


FIG. 2

Title: A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A N Ad Hoc Network

Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez



Title: A System And Mathod For Disseminating Topology And Link Information To Routing Nodes In A Mobile Ad Hoc Network Inventors: Ogier et al.
Serial No. 09/728,020

Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

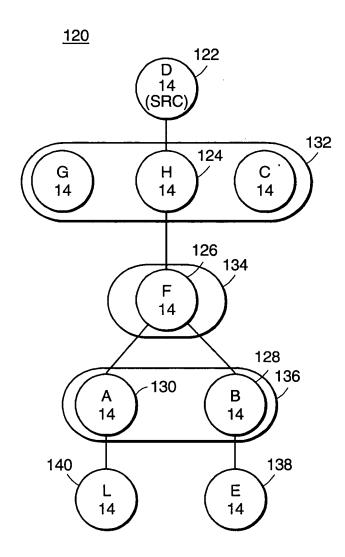
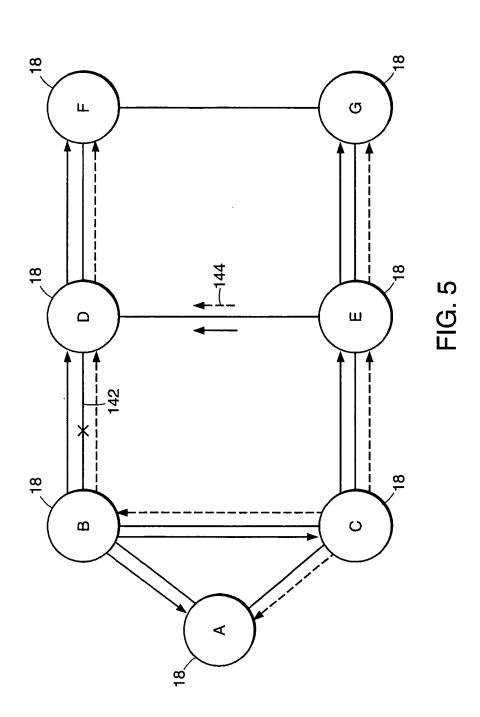


FIG. 4

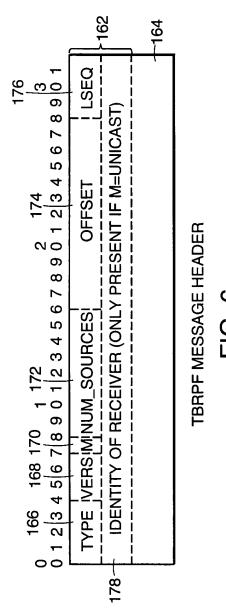
Title: A System Armethod For Disseminating Topology And Link e Information To Routing Nodes In A Mobile Ad Hoc Network Inventors: Ogier et al.
Serial No. 09/728,020
Atty Docket No. SRI-009B
Atty/Agent: Michael A. Rodriguez



Title: A System And Cond For Disseminating Topology And Link-Stanformation To Routing Nodes In A Mobile Ad Hoc Network Inventors: Ogier et al.

Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

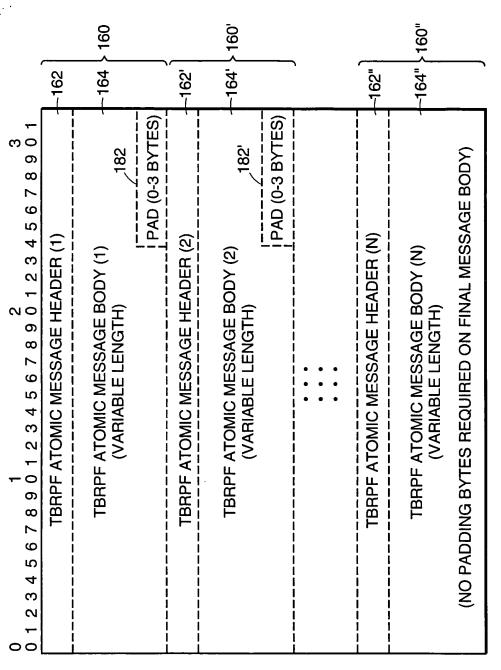
6/20



160

Title: A System And Mark For Disseminating Topology And Link-State formation To Routing Nodes In A Mobile Ad Hoc Network

Inventors: Ogier et al.
Serial No. 09/728,020
Atty Docket No. SRI-009B
Atty/Agent: Michael A. Rodriguez



(A COMPOUND TBRPF MESSAGE)

Title: A System And Method For Disseminating Topology And Link Information To Routing Nodes In A Mobile Ad Hoc Network

Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

8/20

<u>186</u>				
0 1	2 3			
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 IDENTITY I	FOR SRC(1) 188			
	FOR SRC(2) 188'			
•••				
IDENTITY F	FOR SRC(M) <u>188"</u>			
SEQUENCE NUMBER FOR SRC (1)	SEQUENCE NUMBER FOR SRC (2)			
SEQUENCE NUMBER FOR SRC (3)	SEQUENCE NUMBER FOR SRC (4)			
•••				
SEQUENCE NUMBER FOR SRC (M-1)	SEQUENCE NUMBER FOR SRC (M)			

## NEW PARENT MESSAGE FIG. 8A

SEQUENCE NUMBER FOR SRC (M-2) SEQUENCE NUMBER FOR SRC (M-1)
SEQUENCE NUMBER FOR SRC (M)

SHOWS AN ALTERNATIVE ENDING THE NEW PARENT MESSAGE FIG. 8B

Title: A System And School For Disseminating Topology And Link Information To Routing Nodes In A Mobile Ad Hoc Network Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

9/20

	<u>194</u>		
0	3 8 9 0 1		
IDENTITY FOR SRC(1)	<u>196</u>		
IDENTITY FOR SRC(2)	<u>196'</u>		
•••			
IDENTITY FOR SRC(M)	<u>196"</u>		

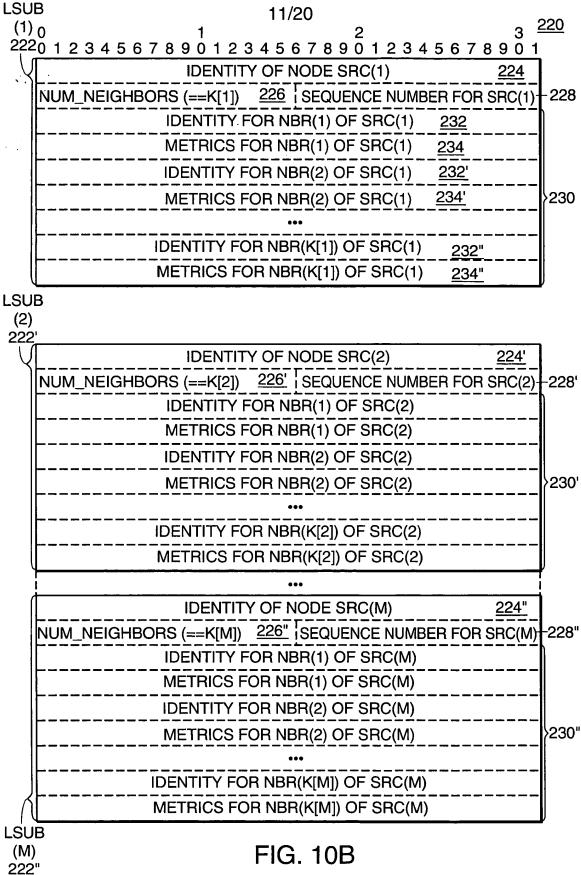
CANCEL\_PARENT MESSAGE FIG. 9

Title: A System And Thod For Disseminating Topology And Link Information To Routing Nodes In A Möbile Ad Hoc Network Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

• .	0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1						
ĺ	IDENTITY OF NODE SRC(1) 202						
	NUM_NEIGHBORS (==K[1]) 204 i RESERVED						
	IDENTITY FOR NBR(1) OF SRC(1) 208	)					
	LINK METRICS FOR NBR(1) 212   SEQUENCE # FOR SRC(1), NBR(1) 21						
{	IDENTITY FOR NBR(2) OF SRC(1) 208'						
	LINK METRICS FOR NBR(2) 212'   SEQUENCE # FOR SRC(1), NBR(2)	206					
,	•••	210'					
	IDENTITY FOR NBR(K[1]) OF SRC(1) 208"						
$\lambda$	LINK METRICS FOR NBR(K) 212"   SEQUENCE # FOR SRC(1), NBR(K)	210"					
LSU							
(1) 20							
	LSUA						
	(2)						
}	200'						
	IDENTITY OF NODE SRC(2) 202'  NUM NEIGHBORS (==K[2]) 204'   RESERVED						
	NUM_NEIGHBORS (==K[2]) 204' RESERVED  IDENTITY FOR NBR(1) OF SRC(2)						
Į	LINK METRICS FOR NBR(1)   SEQUENCE # FOR SRC(2), NBR(1)						
	•••	206'					
	IDENTITY FOR NBR(K[M-1]) OF SRC(M-1)						
	LINK METRICS FOR NBR(K[M-1])   SEQUENCE # FOR SRC(M), NBR(K[M-1])						
'	•••	Ų					
ſ	IDENTITY OF NODE OF O(A)						
	IDENTITY OF NODE SRC(M) 202"						
	NUM_NEIGHBORS (==K[M]) 204"   RESERVED	)					
J	IDENTITY FOR NBR(1) OF SRC(M)  LINK METRICS FOR NBR(1) SEQUENCE # FOR SRC(M), NBR(1)						
Ì	LINK METRICS FOR NBR(1)   SEQUENCE # FOR SRC(M), NBR(1)	206"					
	IDENTITY FOR NRR/KIMI) OF SRC(M)	200					
IDENTITY FOR NBR(K[M]) OF SRC(M)  LINK METRICS FOR NBR(K[M])   SEQUENCE # FOR SRC(M), NBR(K[M])							
,	LSUA	Ų					
	(M) FIC 10A						
	FIG. 10A						

Title: A System and Method For Disseminating
Topology And State Information To State Information To Topology And Mobile Ad Hoc Network Routing Nodes In

Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez



Title: A System And Method For Disseminating Topology And Link-Stan Information To Routing Nodes In A Network

Inventors: Ogier et al.
Serial No. 09/728,020
Atty Docket No. SRI-009B
Atty/Agent: Michael A. Rodriguez

12/20

176'
0 166' 168' 170' 1 172' 2 174' 3
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 162"'

TYPE VERSIMINUM\_SOURCES OFFSET LSEQ

COMPOUND MESSAGE 180'

RETRANSMISSION\_OF\_BROADCAST MESSAGE FIG. 11

240

Title: A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A Method For Disseminating Topology And Link-State Information To

Inventors: Ogier et al.
Serial No. 09/728,020
Atty Docket No. SRI-009B
Atty/Agent: Michael A. Rodriguez

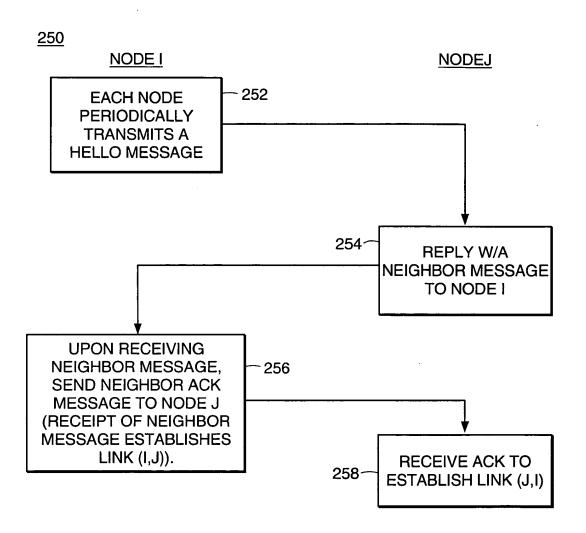


FIG. 12

Title: A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A Mobil Hoc Network Inventors: Ogier et al.
Serial No. 09/728,020
Atty Docket No. SRI-009B
Atty/Agent: Michael A. Rodriguez

<u>260</u>			
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6	2 5 7 8 9 0 1 2 3 4	3 4 5 6 7 8 9 0 1	
274 H/W ADDRES SPACE 278			280
H/W LEN (=N) PROTO LEN (=M)	TYPE <u>262</u>	BCAST SEQ#	264
276 SENDER HARDWARE A	DDRESS (M BYT	ES) <u>266</u>	
SENDER PROTOCOL A	DDRESS (N BYT	ES) <u>268</u>	
TARGET HARDWARE A	DDRESS (M BYT	ES) <u>270</u>	
TARGET PROTOCOL A	DDRESS (N BYT	ES) <u>272</u>	

FIG. 13

Title: A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A Moundary Ad Hoc Network

Inventors: Ogier et al.
Serial No. 09/728,020
Atty Docket No. SRI-009B
Atty/Agent: Michael A. Rodriguez

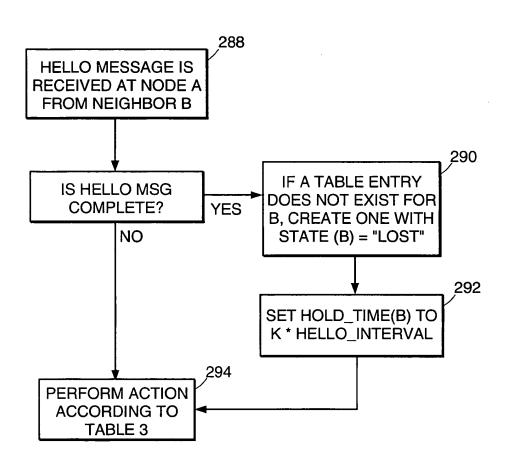
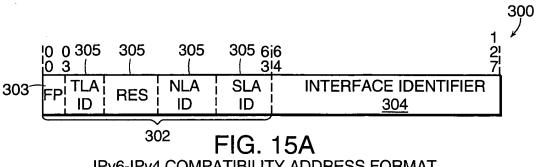


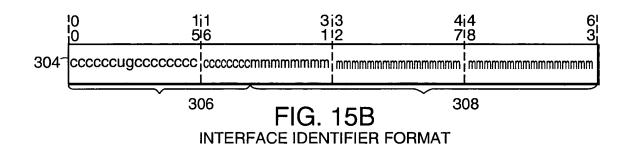
FIG. 14

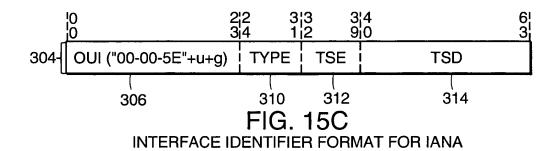
Title: A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A M Inventors: Ogier et al. e Ad Hoc Network

Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez



IPv6-IPv4 COMPATIBILITY ADDRESS FORMAT





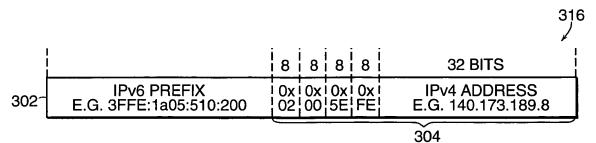


FIG. 15D IPv6-IPv4 COMPATIBILITY ADDRESS

Title: A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A Mod Ad Hoc Network

Inventors: Ogier et al.
Serial No. 09/728,020
Atty Docket No. SRI-009B
Atty/Agent: Michael A. Rodriguez

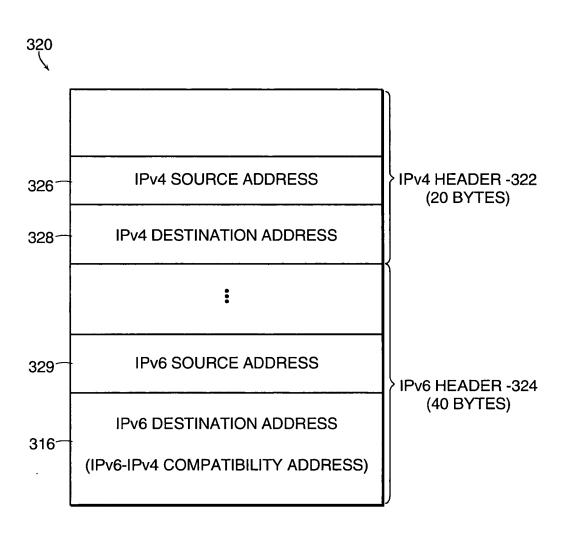


FIG. 15E

Title: A System And Method For Disseminating Topology And Link State Information To Routing Nodes In State Information To Housing Nodes In State Information To Provide Ad Hoc Network Inventors: Ogier et al.

Inventors: Ogier et al.
Serial No. 09/728,020
Atty Docket No. SRI-009B
Atty/Agent: Michael A. Rodriguez

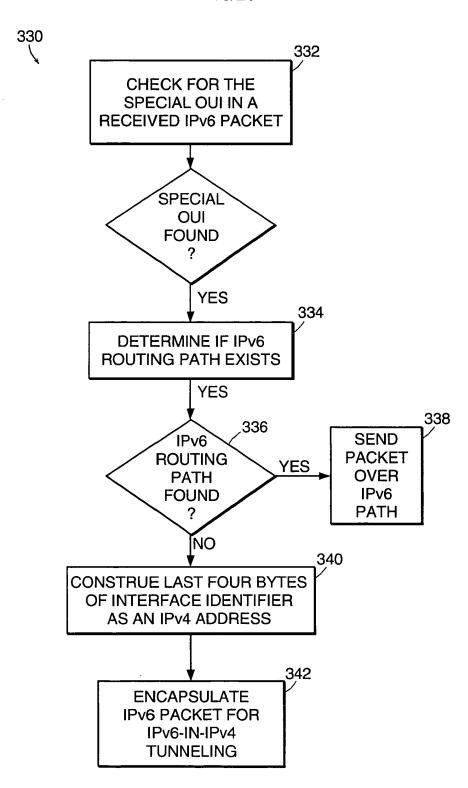
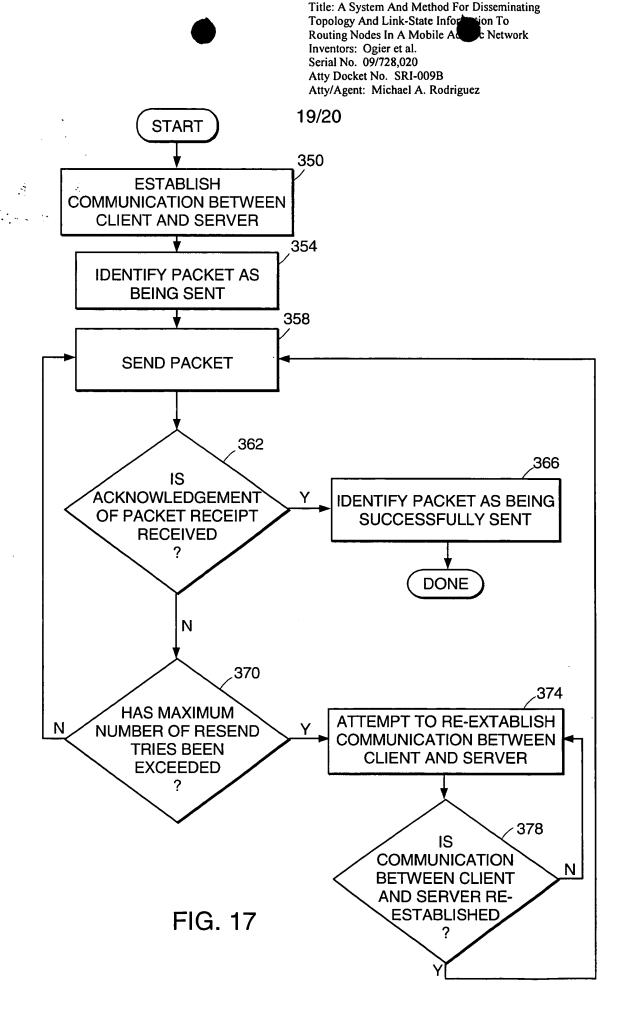


FIG. 16



Title: A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A Mobile I Hoc Network Inventors: Ogier et al.

Inventors: Ogier et al.
Serial No. 09/728,020
Atty Docket No. SRI-009B
Atty/Agent: Michael A. Rodriguez

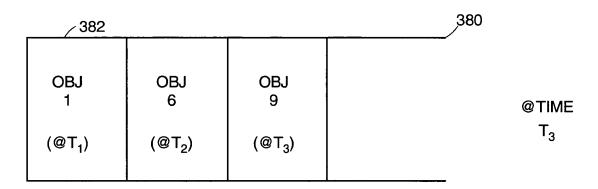


FIG. 18A

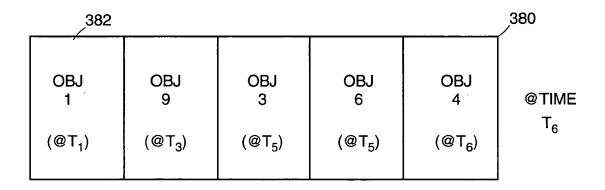


FIG. 18B